



**STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COOKEVILLE ENVIRONMENTAL FIELD OFFICE**

**DIVISION OF WATER POLLUTION CONTROL
1221 SOUTH WILLOW AVENUE
COOKEVILLE, TN 38506**

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September 15, 2010

Mr. Ronnie Kelly, Director
Dept. of Water Quality Control
City of Cookeville
P.O. Box 998
Cookeville, TN 38506

CERTIFIED MAIL

Return Receipt Requested

Receipt # 91 7108 2133 3937 2532 3824

**Re: Compliance Evaluation Inspection
Cookeville Water Treatment Plant
Individual NPDES # TN0005231 – Permit Expires September 29, 2013
Receiving Waters: Alum Lick Branch (Center Hill Lake), Putnam County, TN**

Dear Mr. Kelly:

On September 8, 2010, personnel from the Tennessee Division of Water Pollution Control (WPC) conducted a Compliance Evaluation Inspection at the Cookeville Water Treatment Plant (WTP). The purpose of the inspection was to evaluate compliance with an individual NPDES permit for WTP filter backwash and sedimentation basin discharge and to determine the reliability of data being submitted on Discharge Monitoring Reports (DMRs). The discharge is to Alum Lick Branch at mile 1.0 (Center Hill Lake) to Mine Lick Creek at mile 4.2 (Center Hill Lake).

Permit

The Cookeville WTP is operating under individual NPDES Permit No. TN0005231. Coverage under this permit became effective on November 1, 2008, and will expire on September 29, 2013. The permit requires that monthly analytical sampling of the discharge water be conducted for certain parameters. The results of these analyses are to be recorded and submitted to the Division via monthly DMRs.

Facility

Filter backwash water, pump cooling water and finished water from the lab sink is discharged to the "old lagoon" behind the WTP. The contents of the old lagoon are then pumped to three "new" lagoons for solids settling prior to discharge to Alum Lick Branch (Center Hill Lake). The water being discharged from the outfall at the time of the inspection was clear.

Laboratory / Records Review

Records of monthly analytical sampling of the discharge water are being maintained at the WTP and were readily available for review. The records were found to be consistent with the data submitted on the

DMRs. The DMRs are promptly sent to the Nashville Central Office. The laboratory and associated equipment and instruments were well-maintained and organized. Instrument calibration records are being maintained and were readily available for review. Both the sample collection and measurement times are being recorded with regard to the testing for pH and chlorine to document that the analysis is occurring within 15 minutes of sample collection. Analyses are being conducted using approved laboratory methods.

We extend our thanks to Mr. Bill Clemons, Operator for his time and courtesy during the inspection. If you have any questions, please contact me at (931) 432-7642 or by e-mail at *Martin.Smith@tn.gov*.

Sincerely,

A handwritten signature in blue ink, appearing to read "Martin Smith".

Martin Smith
Division of Water Pollution Control
Cookeville Environmental Field Office

CC: Mr. Patrick Parker, WPC Nashville Central Office, Enforcement & Compliance Mgr (*via e-mail*)
Mr. Rob Howard, WPC Cookeville EFO, Program Manager (*via e-mail*)
Mr. Johnny Walker, DWS Cookeville EFO, Program Manager (*via e-mail*)
WPC EFO File (Putnam Co.)

Enclosure: EPA 3560 Form